

The Gazette of India



PUBLISHED BY AUTHORITY

SIMLA, SATURDAY, FEBRUARY 5, 1955

Separate paging is given to this Part in order that it may be filed as a separate compilation

PART III—SECTION 2

Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE Patents and Designs

Calcutta, the 29th January 1955

Applications for Patents

The dates shown in crescent brackets are the dates claimed under Section 78-A of the Act.

13th January 1955

53544. J. R. Geigy A-G. Process for the production of derivatives of 1,3-disubstituted and 1,3,8-trisubstituted xanthines. (29th January 1954).

53545. Ruhrchemie Aktiengesellschaft. Process for the conversion of hard paraffin wax. (29th January 1954).

53546. The British Steel Piling Company, Limited. Improvements in or relating to the plugging of tubular shafts. (14th January 1954).

53547. Ciba Limited. Manufacture of new basically substituted heterocyclic compounds. [Divisional date, March 16, 1954.]

53548. Technicolour Glass Marble Manufacturing Company. Improved device and method of manufacturing glass marbles (balls) having coloured designs. (14th January 1955)

53549. Automatic Telephone and Electric Company Limited. Improvements in electromagnetic relays. (23rd January 1954).

53550. Automatic Telephone and Electric Company Limited. Improvements in electric signalling systems (9th February 1954).

53551. Imperial Chemical Industries Limited. Dystuff intermediates. (20th January 1954).

53552. I. K. Bharati and Shreemati Janke Devi Bharati. Improvements in or relating to internal combustion engines. (21st January 1954).

53553. W. G. Horton. Improvements in and relating to display and like devices. (21st January 1954).

53554. J. Martin. A method of deploying drogue parachutes for use in retarding a body. (21st January 1954).

15th January 1955

53555. M. M. Arias. Shirt-collar stiffener.

53556. Braithwaite and Company (India) Limited. Improvements in and relating to foundation pile, cylinder and like driving and withdrawal. (7th April 1954).

53557. Les Usines De Melle. Improvements in or relating to the manufacture of lower aliphatic esters. (15th March 1954).

53558. Lodge-Cottrell Limited. Improvements in or relating to electrostatic precipitators. (15th March 1954).

17th January 1955

53559. Nizamuddin. A water raising device.

53560. D. P. Asar. Improvements in or relating to core construction of built boards. (29th January 1954).

53561. D. P. Asar. Improvements in or relating to built up boards. (29th January 1954).

53562. G. N. R. D. Patent Holdings Limited. Improvements in or relating to the preparation of steroid substances. (29th January 1954).

53563. American Cyanamid Company. Improvements relating to the preparation of substituted heterocyclic sulfonamides and intermediates thereof. (18th November 1954).

53564. Imperial Chemical Industries Limited. Improvements in or relating to a method and apparatus for metering liquids. (12th March 1954).

53565. British Insulated Callender's Cables Limited. Improvements in or relating to apparatus for marking wires and cables and the like. (2nd February 1954).

53566. General Electric Company. Improvements in or relating to semiconductor device.

53567. Montecatini Societa Generale Per L'Industria Mineraria E. Chimica and Ing. G. de Varda. Furnace and process for the electrolysis of aluminum. (29th January 1954).

53568. Daimler-Benz Aktiengesellschaft. Improvements relating to control means for an internal combustion engine whereby such engine is employable as a brake by control of its exhaust. (29th January 1954).

53569. Daimler-Benz Aktiengesellschaft. Improvements relating to engine brake arrangements. (29th January 1954).

53570. Gelsenkirchener Bergwerks-Aktien-Gesellschaft. Method of operating industrial furnaces using briquettes, and briquettes therefor. (29th January 1954).

53571. F. Hoffmann-La Roche and Co. Aktiengesellschaft. Process for the manufacture of a novel tropic acid amide. (29th January 1954).

53572. F. Hoffmann-La Roche and Co. Aktiengesellschaft. Process for preparing polysulfuric acid esters of chitosan. (29th January 1954).

53573. Metropolitan-Vickers Electrical Company Limited. Improvements relating to dynamic electric machines. (19th January 1954).

18th January 1955

53574. Imperial Chemical Industries Limited. Improving the water-repellency of leather. (1st February 1954).

53575. C. C. Wakefield and Company Limited. Improvements in or relating to lubricating compositions. [Addition to No. 52724.]

53576. B. Sparring. Improvements in shelving.

53577. Dunlop Rubber Company Limited. Improvements in or relating to the manufacture of belting. (2nd February 1954).

53578. National Malleable and Steel Castings Company. Improvements in or relating to draft rigging railway vehicles.

53579. J. H. Fenner and Co. Limited. Improvements in or relating to the production of power transmission and conveyor belting.

53580. The British Thomson-Houston Company Limited. Improvements in and relating to contour machining apparatus. (21st January 1954).

53581. The British Transport Commission and P. W. Bolien. Improvements in oil burners.

53582. Gestetner Limited. Improvements in and relating to collapsible containers.

53583. F. Hoffmann-La Roche and Co. Aktiengesellschaft. Method for the preparation of α -tocopherol and esters thereof.

53584. F. Hoffmann-La Roche and Co. Aktiengesellschaft. Process for the manufacture of α, β -unsaturated carboxylic acids.

53585. Ciba Limited. New imidazolium compounds and process for their manufacture.

53586. Ciba Limited. A process and products for the improvement of the optical properties of organic material.

53587. Western Electric Company. Improvements in semiconductor devices. (16th February 1954).

19th January 1955

53588. Q. A. Kidwai. Improvements in or relating to looms with magnetic shuttle drive by an endless tape.

53589. Dipl. Ing. O. G. F. P. V. Lunaeborg and J. V. Patel. Improvements in or relating to hot-rolled angle sections.

53590. C. J. W. Lashley. Improvements in or relating to shuttlecocks.

53591. British Insulated Callender's Cables Limited. Improvements in or relating to apparatus for marking wires and cables and the like. (10th February 1954).

53592. The General Electric Company Limited. Improvements in or relating to sodium vapour electric discharge lamps. (27th January 1954).

53593. Cilag Limited. Process for the preparation of aminoacyl anilides. (15th October 1954).

53594. Ultrasonics Limited. Improvements relating to the mechanical production of acoustic vibrations for use in emulsification, dispersion or like processes. (2nd February 1954).

53595. Otto P. Braun. Textile spinning apparatus with rotating twisting head.

Alteration of Date

50533. The priority date claimed has been altered from 22nd October 1953 to 11th December 1952.

52792. Ante-dated to 20th July 1953, under Section 5.

Applications Accepted

Notice is hereby given that all persons interested in opposing the grant of patents on any one of the applications referred to below may at any time within four months of the date of this Gazette of India give notice to the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, and also on cash payment at the counter of the Government of India, Central Book Depot, 8, Hastings Street, Calcutta, in the course. The price of each specification is Rs. 2 (postage extra, if sent out of India). Requisition for the supply of printed specifications should be accompanied by the numbers of the specifications as shown in the following list.

If required typed copies of the specification together with copies of drawings, if any, can be supplied by the Patent Office, on payment of the necessary charge which may be ascertained on application to the office.

The dates shown in crescent brackets are the dates allowed under Section 78-A of the Act.

49642. U. Brunck. Method and appliance for joining metal parts. Accepted on 14th January 1955.
Protecting welding area by a casing made of a material of higher melting point than the metal to be welded and bringing metal parts towards each other under increasing pressure.

49911. Compagnie Generale De Telegraphie Sans Fil. Improvements in or relating to ultra high frequency travelling wave oscillators. Accepted on 13th January 1955.
Including a delay line which has its two ends uncoupled and a load circuit coupled with the delay line near the source of the beam.

49922. Standard Oil Development Company. Improvements in or relating to the production of petroleum products boiling in the motor fuel boiling range. Accepted on 14th January 1955.
The reduced crude containing gas oil constituents is catalytically cracked between 850 to 1000°F.

49924. Compagnie Generale De Telegraphie Sans Fil. Improvements in or relating to short wave directional aerials. (12 June 1953). Accepted on 14th January 1955.
Having a feeder at one end and being constituted by metallic parts spaced apart from one another by a quarter wavelength and disposed behind one another, the greatest dimension of these parts increasing rapidly in the direction away from feeder end, up to a maximum and thereafter decreasing slowly, to define a cigar-shaped antenna.

49926. Olympia Werke West G.m.b.H. Improvements in or relating to typewriters. (25th February 1953). Accepted on 14th January 1955.
Wherein bell ringer mechanism, line-lock and keylever stop mechanism are mounted on a common base plate, forming a structural unit connected to the frame of the typewriter.

49931. Compagnie Generale De Telegraphie Sans Fil. Improvements in or relating to electron signal storage tubes. (25th March 1953). Accepted on 19th January 1955.
Of the kind utilising the secondary electronic emission properties of an insulating substance under the impact of a beam of electrons to retain on the surface of the substance an electrical image of a signal.

49983. Union Sils, Van De Loo & Co. Improvements in hubs for wheels and method of manufacturing them. (17th February 1953). Accepted on 14th January 1955.
In which the spoke flanges are formed integral with the ball bearing race shells by deformation of the material to present a thickening of the material on the walls of the race shells.

50039. Polygram Casting Co. Limited. Improvements in or relating to ejector devices for pattern plates. (8th August 1952). Accepted on 14th January 1955.
Wherein ejector elements, flsh with working surface are projected out by actuating means to effect ejection.

50040. Polygram Casting Co. Limited. Improvements in methods of and apparatus for making hollow articles from a moulding mixture. (8th August 1952). Accepted on 14th January 1955.
Allowing mixture to fall around heated pattern, agglomerating it into a coating with pressure, curing and removing the same.

50071. Union Carbide and Carbon Corporation. Improvements in or relating to herbicides. (15th October 1952). Accepted on 14th January 1955.
Containing carrier, ester or ester salt of 2-(2, 4-dichlorophenoxy) ethanol and an organic acid with upto 10 carbon atoms.

50084. Capt. A. N. D'Silva. Improved adjustable spanner. Accepted 14th January 1955.
Spanner having wedge-shaped clearances between the body of the lower jaw and shank of the upper jaw, steel balls being packed in this compartments together with the spiral spring.

50181. Ramapati Ghosh. Group or gang operated universal tilting insulator switch. Accepted on 19th January 1955.
Comprising one or more fixed insulators and one or more tilttable insulators having contact blades adapted to be held by contact clips mounted on fixed insulators.

50200. Slastro Company of Africa (Pty.) Ltd. Process for the treatment of liquid containing objects of vegetable origin to separate constituent parts thereof. Accepted on 19th January 1955.
Subjecting the objects to a reduced temperature to solidify their outer fluid constituents and then heating by electric or electro-magnetic field.

50343. Ciba Limited. Process for the manufacture of dihydropyridazines. Accepted on 13th January 1955.
Alkyllating the hydroxyl group in 1-R-3-hydroxy-6-oxo-1:6-dihydropyridazine.

50473. Chemical Construction Corporation. Separation of carbon dioxide from ammonia. (3rd June 1953). Accepted on 15th January 1955.
Gases are scrubbed with an aqueous solution of a weak base.

50522. Ortho Pharmaceutical Corporation. Pharmaceutical preparation designed for the treatment of Trichomonas vaginalis vaginitis. Accepted on 19th January 1955.
Acyl derivatives of 2-amino-5 nitro thiazole with a solid diluent.

50533. Fairbairn Lawson Combe Barbour Limited and J. R. Bee. Improvements in or relating to textile spinning twisting and like machines. (11th December 1952). Accepted on 15th January 1955.
The detector element is isolated from the pressure exerted by the mechanism which on breakage of the material causes the feed rollers to be separated and to stop feeding material.

50913. Wurttembergische Spindelfabrik G.m.b.H. Improvements in grinding machines. Accepted on 13th January 1955.
The bracket carrying the cylindrical body is so constrained that the body is displaceable angularly, independently of its rotation about a pivotal point in planes including the line passing through the pivotal point.

51028. Emery Industries, Inc. Improvements in or relating to method and apparatus for the manufacture of aliphatic carboxylic acids. Accepted on 18th January 1955.
Reacting unsaturated fatty compound with oxygen containing ozone and oxidizing the fatty oxonides with oxygen gas.

51453. E. I. Du Pont De Nemours and Company. Textile printing. Accepted on 19th January 1955.
Printing textiles with vat dyes over printing with an aqueous paste of caustic alkali and alkali metal hydrosulphite, steaming oxidising and finally soaping.

51634. Imperial Chemical Industries Limited. Cord-like ignition devices for igniting safety fuses. (18th May 1953). Accepted on 13th January 1955.
Envelope confining the wick structure comprises mixture of oxidising and reducing agents bound by a combustible bonding agent.

51760. Takeda Pharmaceutical Industries, Limited. Derivatives of 2-keto-2, 3, 4, 5, 6, 7, 8, 10-octahydro-naphthyl-(7)-methane and a process for preparing the same. Accepted on 18th January 1955.
2-Keto-2, 3, 4, 5, 6, 10-hexahydronaphthalene or 2-keto-2, 3, 4, 5, 6, 7, 8, 10-octahydro-naphthalene is reacted with a methane derivative $Y-C(H)R_2, R_3$ being a hydro carbon substituent or hydrogen Y an acyl or carboxyl group and Z hydrogen atom or a residue convertible into hydrogen.

51768. The Sharples Corporation. A process for treating a gum-containing fatty oil to condition said oil for refining. Accepted on 18th January 1955.
Admixing with the oil small amount of sodium hydrosulphite.

51901. Radio Corporation of America. Apparatus and method for recording or reproducing television type signals. Accepted on 19th January 1955.
The signals including uniform periodic pulses, the relative phase of the pulses of such signals on the recording strip being compared with the phase of pulses from unrecorded signals for producing a voltage corresponding to phase difference between the recorded pulses and the unrecorded pulses, said voltage controlling the driving mechanism for the strip.

51992. Imperial Chemical Industries Limited. Improved resinous compositions. (1st June 1953). Accepted on 14th January 1955.
Comprising a polyvinyl acetate-polyvinyl chloride co-polymer, an alkyd resin and a polysocyanate.

52016. Sparkler Mfg. Co. Improvements in or relating to tank cover. Accepted on 13th January 1955.
Comprising a tank open at one end, a cover plate, a number of bolts pivotally attached to cover plate, said both being adapted to lap over the mouth of the tank and a cam ring adapted to the cover plate.

52017. Sparkler Mfg. Co. Improvements in or relating to pressure filter tank. Accepted on 13th January 1955.
Including a cylindrical body portion having full open mouth, a stationary closure for the mouth, a filter unit mounting carried by the closure and extending throughout the closure and means for retracting the body from the closure.

52047. Imperial Chemical Industries Limited. Improvements in or relating to the production of an alkyl nitrate. (10th July 1953). Accepted on 17th January 1955.
Isopropyl nitrate is produced by continuous distillation of a mixture of easily volatile products from a heated liquid reaction mixture formed from nitric acid and isopropyl alcohol and into which separate streams of nitric acid and isopropyl alcohol are introduced the alcohol being introduced as a vapour below the surface of the liquid reaction mixture.

52069. Felco Hoists Limited. Improvements in loading apparatus for use on vehicles. Accepted on 18th January 1955.
Frame articulated to the vehicle has support incorporating inner and outer sections and drive means to raise or lower the frame, which in lower position touches the ground and on being raised angle between its outer section and frame is reduced.

52124. Huntington, Heberlein & Company Limited. Improvements relating to the separation of solid materials of different specific gravities. Accepted on 19th January 1955.
Material subjected to initial sink and float separating treatment and the sink product is further subjected to sink and float separating treatment.

52227. Sandoz, A. G. Process for the preparation of a piperidine derivative. Accepted on 13th January 1955.
Reacting phenyl-amino-piperidine with mono-halogenated benzene.

52257. N. V. Philips' Gloeilampenfabrieken. Improvements in or relating to trigger circuits. Accepted on 14th January 1955.
Current supply source in series with primary winding having a high natural frequency, of a feed-back transformer is included in the collector circuit of the transistor, whilst the secondary winding of the transformer, without interposition of frequency-determining capacitors is included between the emitter—and base electrode of the transistor.

52374. E. P. Keogh Proprietary Limited. A preparation for the control of moulds, bacteria and the like. (20th July 1953). Accepted on 14th January 1955.

Which includes a substance which is fungicide and a plant hormone.

52477. Mrs. Gul Kewalram Doulatram and Mrs. Drupati Khubchand Samtani. Advertisement signs for use on fluorescent light tubes or the like. Accepted on 15th January 1955.

Consisting of a hollow device, U-shaped in cross-section, with a base having advertisement matters, the sides carrying flanges opposite each other and at either end such that when the flanges are slipped on to the light source, the flanges hold the sign firmly on the light source.

52629. Maschinenfabrik Augsburg-Nürnberg A.G. Grating for water conduits. Accepted on 15th January 1955.

Grating anchored by chains, link rods or like to conduit or arranged to pivot about its bottom end, held floating in working position by one or more buoyant bodies.

52738. The Holt Bracken Breaker Company Limited. Improvements relating to breaker bars for use in destroying growing bracken and similar weed growths. (2nd October 1953). Accepted on 15th January 1955.

The breaker bar has a core of inexpensive material and is encased by a sheath of wear resistant material.

52773. The English Electric Company Limited. Improvements relating to electro-magnetically operated valves. (6th October 1953). Accepted on 15th January 1955.

Armature operated valve in one position connects an auxiliary port to the main port which in this position is sealed off by the valve means from the common port.

52792. Ciba Limited. Pharmaceutical preparations containing a new piperidine compound. [Divisional date, July 20, 1953.] Accepted on 17th January 1955.

Comprises 2-diphenylmethyl-piperidine or its salts, together with a pharmaceutical carrier.

52863. N. V. Philips' Gloeilampenfabrieken. Improvement in or relating to electrode systems comprising at least one semi-conductive member, more especially but not exclusively a crystal diode or a transistor. Accepted on 14th January 1955.

Part surrounding a semi-conductive member has a lower specific resistance to heat flow than the parts contiguous with a seal.

52868. F. Hoffmann-La Roche & Co. Aktiengesellschaft. Process for the manufacture of novel xanthine derivatives. Accepted on 17th January 1955.

Reacting 2-chlorobutanone-3 with a salt of 1, 3-di(lower alkyl)-xanthine in organic solvent.

52912. Rheno A.G. Apparatus for producing ozone. Accepted on 18th January 1955.

Electrodes are shaped as conical shells and at least two such electrodes are arranged one above the other.

52963. Anzin Limited. Improvements in or relating to emulsions. (20th October 1953). Accepted on 18th January 1955.

Solid particles are coated with surface active agents and used as the stabilisers for the emulsions.

53040. The English Electric Company Limited. Improvements relating to mine winders. (10th November 1953). Accepted on 17th January 1955.

Comprises in combination control means to cut off power to winding engine when ascending conveyance reached a predetermined position and to cause rapid application of the brakes, means for automatically and momentarily releasing the brakes.

53111. R. P. J. Short. Improvements in or relating to sawing machines. Accepted on 19th January 1955.

Comprising two saw elements, a housing for each or both saw elements, a driving device for the saw elements, a slideway adapted for co-operation with said housing.

53115. British Insulated Callender's Cables Limited. Improved means for forming the edges of metal strip. (27th November 1953). Accepted on 19th January 1955.

Effecting a local corrugating of the edges of a metal strip by two rings of rods inclined at a small angle to each other and rotatable in synchronism and the rods of one ring running in spaces between the rods of the other ring in the region.

Printed Specifications Published

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment on the counter of the Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy:—

47002. 47597. 47618. 47639. 47753. 48098. 48232. 48514. 48590. 48851. 49299. 49522. 49608. 49617. 49775. 49799. 50088. 50157. 50403. 50664. 47365. 47705. 47981. 47982. 48495. 49115. 49387. 49554. 49871. 49946. 50033. 50061. 50126. 50127. 50128. 50165. 50184. 50241. 50291. 50346. 50394. 50396. 50425. 50427. 50432. 50475. 50539. 50548. 50698. 50740. 50777. 50809. 50810. 50878. 50905.

Correction of Clerical Errors

Under Section 62 of the Indian Patents and Designs Act, 1911 certain clerical errors occurring in the drawings in respect of patent application No. 48831 were corrected on the 21st January 1955.

Patents Sealed

48373. 48709. 49018. 49029. 49044. 49108. 49118. 49205. 49430. 49432. 49484. 50111. 50461. 50734. 50817. 50833. 51044. 51101. 51112. 51444. 51452. 51516. 51702. 52076. 52096.

Amendment Proceedings

(1)

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911 that Titan Company A/S, a Corporation organized and existing under and by virtue of the Laws of the Kingdom of Norway, of Fredrikstad, Kingdom of Norway, Manufacturers seek leave to amend the description in the specification in respect of patent application No. 51206. Any person desirous of opposing the application for amendment, should at any time within three months from the date of this Gazette, give notice of his intention to do so on the prescribed form (Form 6 of the Indian Patents and Designs Rules, 1933) in the Patent Office, 214, Lower Circular Road, Calcutta 17. The proposed amendments may be seen free of charge at the Patent Office, or copies thereof may be obtained from the Patent Office on payment of the usual charges.

(2)

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911, that May and Baker Limited, a British Company, of Dagenham, Essex, England seek leave to amend the description in the specification in respect of Patent No. 49863. Any person desirous of opposing the application for amendment, should at any time within three months from the date of this Gazette, give notice of his intention to do so on the prescribed form (Form 6 of Indian Patents and Designs, Rules, 1933) in the Patent Office, 214, Lower Circular Road, Calcutta 17. The proposed amendments may be seen free of charge at the Patent Office, or copies thereof may be obtained from the Patent Office on payment of the usual charges.

Registration of Assignments, Licences, Etc.

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest:—

22968 }
23601 } Buell (1952) Limited.
25993 }

44674. W. H. Harton & Co. Ltd.

45224 }
45225 }
46184 } Hermorion Limited.
45257 }
45258 }

46459. The Central Government in the Ministry of Information and Broadcasting, New Delhi.

Renewal Fees Paid

20778. 22136. 22592. 22729. 22968. 23693. 23713. 23780. 24235.
 24900. 24954. 24978. 25014. 25235. 25370. 26277. 26342. 26482.
 27146. 27616. 28287. 28591. 28645. 29627. 29711. 29941. 30409.
 30517. 30610. 30641. 31537. 31672. 31722. 31958. 32121. 32149.
 32210. 32515. 33039. 33959. 34103. 34272. 34295. 34314. 34473.
 34599. 34745. 35709. 35752. 35753. 35754. 36657. 36789. 36844.
 36965. 37048. 37049. 37185. 37205. 37208. 37209. 37210. 37215.
 37559. 38122. 38243. 38274. 39053. 39058. 39059. 39131. 39184.
 39185. 39186. 39193. 39204. 39403. 39423. 39424. 39627. 39971.
 40159. 40411. 40816. 40817. 40961. 40974. 41080. 41132. 41219.
 41251. 41253. 41305. 41316. 41327. 41373. 41464. 41574. 41835.
 41836. 42543. 42560. 42561. 42578. 42635. 42647. 42680. 42745.
 42746. 42793. 42802. 42867. 42915. 43094. 43095. 43126. 43226.
 43353. 43416. 43515. 43669. 43734. 43735. 43765. 44477. 44506.
 44525. 44549. 44564. 44695. 44759. 44766. 44843. 44854. 44876.
 44894. 44895. 45013. 45033. 45141. 45291. 45292. 45304. 45404.
 45644. 45809. 46549. 46639. 46673. 46897. 47097.

RENEWAL FEES PAID in respect of State Patents under provision of Section 80 of the Indian Patents and Designs Act.

Travancore Patent

CCCLXXXI

Mysore Patents

418/46-47
462/48-49

Hyderabad Patents

2/1355F
3/1355F
45/1358F

Cessation of Patents

22266. 28428. 30074. 30094. 31570. 35935. 37114. 38202. 38353.
 38366. 38384. 38387. 38388. 38404. 40384. 40386. 40395. 40398.
 40399. 42111. 43871. 45979.

Registration of Designs

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Indian Patents and Designs Act.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1 No. 80957. India Crown Cork Company Ltd., a Company registered in India, of J. K. Building, Dougall Road, Ballard Estate, Bombay 1, "Crown corks", December 15, 1954.

Class 1 No. 81037. Gestetner Duplicators Limited, a Private limited liability Company registered in India, of 9A Esplanade East, Calcutta 1, India, "A collapsible tube", December 23, 1954.

Class 1 No. 81045. "Swadesi Type Foundry", a firm registered under the Indian Partnership Act, No. 51, Guruvappa Chetty Street, Chintadripet, Madras, Madras State, "Telugu printing types", December 24, 1954.

Class 1 No. 81073. Boris Alexis Yashanoff, 28 Harington Mansions, Calcutta 1, Indian, "Baskets (for flower pots) and like articles made of metal wires of strips", December 28, 1954.

Class 1 No. 81123. Prakash Udyogalaya, a partnership firm carrying on business as manufacturers of Stainless Steel Utensils, of Gaiwadi, Girgaon, Bombay 4, Bombay State, India, an Indian firm, "A spoon", January 3, 1955.

Class 1 No. 81138. Zahid Hussain Qadri, Proprietor M/s. Industrial Trading Company, Upper Fort, Aligarh (U.P.) Indian, "Lock", January 4, 1955.

Class 1 No. 81139. Zahid Hussain Qadri, Proprietor M/s. Industrial Trading Company, Upper Fort, Aligarh (U.P.) Indian, "Key", January 4, 1955.

Class 3 No. 80469. Harjit Singh Khanna, 116 Chittaranjan Avenue, Calcutta 7, West Bengal, India, Indian subject, "Hair clips", November 9, 1954.

Class 3 No. 81044. "Swadesi Type Foundry", a firm registered under the Indian Partnership Act, No. 51, Guruvappa Chetty Street, Chintadripet, Madras, Madras State, "Telugu printing types", December 24, 1954.

Class 3 No. 81122. Garware Finance Corporation Limited (a private Limited Company incorporated under Indian Companies' Act VII of 1913) having Registered Office at Chaupatty Chambers Sandhurst Bridge, Chaupatty, Bombay 7, Bombay State, India, Indian firm, "A bottle made from thermoplastic materials", January 3, 1955.

Class 3 No. 81175. The Goodyear Tire and Rubber Company, a Corporation organized and existing under the laws of the State of Ohio, having a principal place of business at No. 1144, East Market Street, Akron, Ohio, United States of America, "Tire tread", January 7, 1955.

Class 3 No. 81190. Harjit Singh Khanna of 116 Chittaranjan Avenue, Calcutta, State of West Bengal, India, Indian Subject, "Hair clips", January 10, 1955.

Class 4 Nos. 80843, 80849 and 80850. Krishan Lall Varma, Indian subject, C/o Messrs. K. L. Varma and Sons, Gandhi Road, Dehra Dun, U. P., "Latrine", December 6, 1954.

Class 4 Nos. 80844 to 80848. Krishan Lall Varma, Indian subject, C/o Messrs. K. L. Varma and Sons, Gandhi Road, Dehra Dun, U.P., "Water closet", December 6, 1954.

Class 5 No. 80895. (1) Aiyanadar, Palanichamy Nadar, Ramanadar, Subbunadar, Palaniappa Nadar—Pavanasa Nadar. (2) Mayanadar, Kulandavel-nadar, Mayanadar Kulandaivel Nadar. (3) Mayanadar, Kulandavelnadar, Mayanadar Paulsami Nadar. (4) Pagalam Aiyaswamy Nadar Sundaraswamy Nadar. (5) Annamalainadar, Thangannadar, Appuchinadar, Ratnanadar, Annamalainadar, Indian subject, trading as Anil Paper Caps Factory, Sivakasi, S. India (Ramnad Dt), "Label", December 10, 1954.

Class 5 No. 80976. Ravi Kapur Trading as R. K. Products, No. 5, Jagbandhu Boral Lane, Calcutta 7, West Bengal, India, an Indian subject, "Label", December 17, 1954.

Class 5 No. 81130. 501 Bidi Factory, Dhalgar Tola Jaunpore (Uttar Pradesh), Indian Company, "Label", January 3, 1955.

Class 13 No. 80095. The Rajnagar Spg. Wvg. and Mfg. Co. Ltd., Near Idga Police Chowky, Ahmedabad 11, an Indian Company Registered under The Indian Companies Act, 1913, "Textile piece-goods", October 9, 1954.

Class 13 Nos. 80542 to 80545. The New National Mills Limited, Rakhal Road, Ahmedabad 10, Indian Company, "Textile goods", November 16, 1954.

Class 13 Nos. 80581, 80582, 80584, 80586 and 80590. The Swadeshi Cotton Mills Company Limited, an Indian Company, Juhi, Kanpur, Uttar Pradesh, India, "Textiles", November 17, 1954.

Class 13 No. 80672. Pesooram Hotchand, Indian Partnership firm, Dharmraj Galli, Mulji Jetha Market, Bombay 2, "Textile piece-goods", November 22, 1954.

Class 13 Nos. 80687, 80689 and 80690. The Navjivan Mills, Limited, Kalol, North Gujarat, an Indian Company Registered under the Indian Companies Act, 1913, "Textile piece-goods", November 23, 1954.

Class 13 No. 80714. Ramsarandas Kapur s/o L. Daulatram Kapur by caste Kapur Khatri of Hindu Religion, Indian subject, Proprietor of Kapur Textile Finishing Mills, Outside Ghee Mandi Gate, Amritsar (Punjab), "Textile goods", November 26, 1954.

Class 13 No. 80728. Jiya Jeerao Cotton Mills Ltd., Indian Company, Birlanagar (Gwalior), "Textile goods", November 27, 1954.

Class 13 Nos. 80749 to 80751. The Century Spg. and Mfg. Co. Ltd., Indian Company, Industry House, 159, Churchgate Reclamation, Bombay 1, "Textile goods", November 27, 1954.

Class 13 No. 80753. Ramsarandas Kapur s/o L. Daulat Ram Kapur by caste Kapur Khatri of Hindu Religion, Indian subject, Proprietor of Kapur Textile Finishing Mills, Outside Ghee Mandi Gate, Amritsar (Punjab), "Textile goods", November 27, 1954.

Class 13 No. 80787. The Century Spg. and Mfg. Co. Ltd., Indian Company, Industry House, 159, Churchgate Reclamation, Bombay 1, "Textile goods", December 2, 1954.

Class 13 No. 80789. The Arvind Mills Ltd., Naroda Road, Post Box No. 56, Ahmedabad 2, Indian Company. "Cotton textile fabrics", December 2, 1954.

Class 13 No. 80815. The Delhi Cloth and General Mills Co. Ltd. (Indian Company), Bara Hindu Rao, Post Box No. 1039, Delhi, "Textile piecegoods", December 4, 1954.

Class 13 No. 80825. The Standard Mills Co. Ltd., Indian Nationality, 29, Veer Nariman Road, Fort, Bombay (India), "Textile goods", December 6, 1954.

Class 13 No. 80838. The New Commercial Mills Co. Ltd., Indian Company, Naroda Road, P. O. Box No. 1060, Ahmedabad, "Textile goods", December 6, 1954.

Class 13 No. 80859. The Ajit Mills Ltd., Rakhial Road, Railwaypura Post, Ahmedabad 2, an Indian Company Registered under The Indian Companies Act, 1913, "Textile piecegoods", December 7, 1954.

Class 13 Nos. 80873 and 80874. The Century Spg. and Mfg. Co. Ltd., Indian Company, Queens Mansions, Prescott Road, Fort, Bombay 1, "Textile goods", December 9, 1954.

Class 13 Nos. 80909 to 80914 and 80917 to 80919. Jiyajeerao Cotton Mills Ltd., Indian Company, Birlanagar (Gwalior), "Textile goods", December 13, 1954.

Class 13 No. 80929. Ramsarandas Kapur s/o L. Daulatram Kapur by caste Kapur Khatri of Hindu Religion, Indian subject, Proprietor of Kapur Textile Finishing Mills, Outside Ghee Mandi Gate, Amritsar (Punjab), "Textile goods", December 14, 1954.

Class 13 Nos. 80937 to 80940. The New Commercial Mills Co. Ltd., Naroda Road, P. O. Box No. 1060, Ahmedabad, Indian Company, "Textile goods", December 14, 1954.

Class 13 Nos. 80953 and 80955. The Silver Cotton Mills Co. Ltd., Kankaria Road, Post Box No. 27, Ahmedabad 2, an Indian Company, Registered under The Indian Companies Act, of 1913, "Textile piecegoods", December 15, 1954.

Class 13 No. 80960. Ramsarandas Kapur s/o L. Daulatram Kapur Khatri of Hindu Religion, Indian subject, Proprietor of Kapur Textile Finishing Mills, Outside Ghee Mandi Gate, Amritsar (Punjab), "Textile goods", December 16, 1954.

Class 13 Nos. 80962 to 80964. The Sarangpur Cotton Mfg. Co. Ltd., Outside Raipur Gate, Post Box No. 19, Ahmedabad, Indian Company, "Textile goods", December 16, 1954.

Class 13 No. 80975. Amrit Banaspati Co., Ltd., Incorporated in India, trading as New Pralhad Mills, East and West Building, Apollo Street, Fort Bombay, "Textile piecegoods", December 16, 1954.

Class 13 Nos. 80977, 80978 and 80980. Kesoram Cotton Mills Limited, Indian Company, 42, Garden Reach Road, Calcutta 24, "Textile goods", December 17, 1954.

Class 13 Nos. 80983 to 80986 and 80988. The Delhi Cloth and General Mills Co. Ltd. (Indian Company), Bara Hindu Rao, Post Box No. 1039, Delhi, "Textile piecegoods", December 18, 1954.

Class 13 Nos. 80990 to 80994. The Century Spg. and Mfg. Co. Ltd., Indian Company, Industry House, 159, Churchgate Reclamation, Bombay 1, "Textile goods", December 18, 1954.

Class 13 Nos. 81006 and 81008. The New Commercial Mills Co. Ltd., Naroda Road, P. O. Box No. 1060, Ahmedabad, Indian Company, "Textile Goods", December 20, 1954.

Class 13 Nos. 81010 to 81013. The Phoenix Mills Ltd., an Indian Company, Imperial Bank Building, Bank Street, Fort, Bombay, "Textile goods", December 20, 1954.

Class 13 No. 81014. The New National Mills Limited, Rakhial Road, Ahmedabad 10, Indian Company, "Textile Goods", December 20, 1954.

Class 13 Nos. 81018 to 81021. Calico Dyeing and Printing Works, Industrial Estates, 41E, Parel Chawl Road, Lalbag, Bombay 12, Indian business concern, "Textile goods including silks and art-silk piecegoods", December 20, 1954.

Class 13 Nos. 81023 and 81024. The Sarangpur Cotton Mfg. Co. Ltd., Outside Raipur Gate, Post Box No. 19, Ahmedabad, Indian Company, "Textile Goods", December 21, 1954.

Class 13 Nos. 81028 and 81029. The Khatau Makanji Spg. and Wvg. Co. Ltd., 6, Ballard Pier, Laxmi Building, Fort, Bombay, Indian Company, "Textile piecegoods", December 22, 1954.

Class 13 No. 81031. The Standard Mills Co. Ltd., Indian Company, 29, Veer Nariman Road, Fort, Bombay (India), "Textile goods", December 23, 1954.

Class 13 Nos. 81039 and 81040. The Asoka Mills Limited, Naroda Road, Post Box No. 1050, Ahmedabad 2, Indian Company, "Cotton textiles fabrics", December 24, 1954.

Class 13 Nos. 81041 and 81043. The New National Mills Limited, Rakhial Road, Ahmedabad 10, Indian Company, "Textile goods", December 24, 1954.

Class 13 Nos. 81049 to 81052. Calico Dyeing and Printing Works, Industrial Estates, 41E Parel Chawl Road, Lalbag, Bombay 12, Indian business concern, "Textile goods including silks and art-silk piecegoods", December 27, 1954.

Class 13 Nos. 81053 to 81056. The Phoenix Mills Ltd., an Indian Company, Imperial Bank Building, Bank Street, Fort, Bombay, "Textile Goods", December 27, 1954.

Class 13 Nos. 81061 to 81063. The Century Spg. and Mfg. Co. Ltd., Industry House, 159, Churchgate Reclamation, Bombay 1, Indian Company, "Textile goods", December 27, 1954.

Class 13 Nos. 81064 to 81067. The Delhi Cloth and General Mills Co. Ltd. (Indian Company), Bara Hindu Rao, Post Box No. 1039, Delhi, "Textile Piecegoods", December 28, 1954.

Class 13 Nos. 81074 and 81075. The Sarangpur Cotton Mfg. Co. Ltd., Outside Raipur Gate, Post Box No. 19, Ahmedabad, Indian Company, "Textile goods", December 28, 1954.

Class 13 No. 81076. The New National Mills Limited, Rakhial Road, Ahmedabad 10, Indian Company, "Textile goods", December 28, 1954.

Class 13 No. 81078. The Khatau Makanji Spg. and Wvg. Co. Ltd., 6 Ballard Pier, Laxmi Building, Fort, Bombay, Indian Company, "Textile Piecegoods", December 28, 1954.

Class 13 No. 81081. The Standard Mills Co. Ltd., Indian Company, 29, Veer Nariman Road, Fort, Bombay, (India), "Textile goods", December 29, 1954.

Class 13 Nos. 81084 to 81090. The Shree Niwas Cotton Mills Ltd., an Indian firm, Delisle Road, Bombay 13, "Cotton piecegoods" December 30, 1954.

Class 13 Nos. 81092 to 81099 and 81101. Jiyajeerao Cotton Mills Ltd., Indian Company, Birlanagar (Gwalior), "Textile goods", December 30, 1954.

Class 13 No. 81102. Shah Dwarkadas Dhanji, Mulji Jetha Market, Ganmubh Gally, Bombay, Jain, Indian subject, "Textile goods", December 30, 1954.

Class 13 Nos. 81103 to 81106. The Sarangpur Cotton Mfg. Co. Ltd., Outside Raipur Gate, Post Box No. 19, Ahmedabad, Indian Company, "Textile Goods", December 30, 1954.

Class 13 Nos. 81108 to 81110. Panalal Silk Mills Ltd. (Indian Co.), Atlas Mill's Compound, Reay Road, Mazgaon, Bombay 10, "Art Silk Fabrics", December 31, 1954.

Class 13 Nos. 81113 and 81114. The Bombay Union Dyeing Mills, Proprietors: M/s Megji Mathradas, 71, Government Gate Road, Parel, Bombay 12, Indian business concern, "Textile goods", December 31, 1954.

Class 13 Nos. 81115 to 81117. Calico Dyeing and Printing Works, Industrial Estates, 41E Parel Chawl Road, Lalbaug, Bombay 12, Indian business concern, "Textile goods including silks and art-silk piecegoods", December 31, 1954.

Class 14 No. 80810. The Crown Spinning and Manufacturing Co., Ltd., Incorporated in India, 16 Apollo Street, Fort, Bombay, "Textile piecegoods", December 2, 1954.

Class 14 No. 80870. The Crown Spinning and Manufacturing Co., Ltd., Incorporated in India, of 16 Apollo Street, Fort, Bombay 1, "Textile piecegoods", December 8, 1954.

Class 14 No. 80995. Ashok Silk Mills, 144, Dharavi Road, Bombay 17, Indian firm, "Textile goods", December 18, 1954.

Class 14 No. 81091. Jiyajeerao Cotton Mills Ltd., Indian Company, Birlanagar (Gwalior), "Textile goods", December 30, 1954.

Copyright extended for a second period of five years
Design No. 71924, Class 3.

Calcutta, the 5th February 1955

Applications for Patents

The dates shown in crescent brackets are the dates claimed under Section 78-A of the Act.

20th January 1955

53596. International Business Machines Corporation. Electronic calculator. (14th May 1954).

53597. Industrial Rayon Corporation. Improvements in or relating to multiple end spinning and twisting apparatus.

53598. SPORTEX Gesellschaft mit beschränkter Haftung. Improvements in or relating to shuttle cocks.

53599. Libbey-Owens-Ford Glass Company. Apparatus for producing bent sheets.

53600. Douglas Fraser & Sons Limited. Improvements in or relating to carding machines. (23rd January 1954).

53601. Douglas Fraser & Sons Limited. Improvements in or relating to carding machines. (23rd January 1954).

53602. Western Electric Company Incorporated. Process for treating fusible material. (18th August 1954).

53603. Österreichische Textilmaschinenfabrik G. Josephy's Erben. Electro-magnetic drive especially for actuating shuttles in a circular loom.

53604. B. R. Basan. Improvements in or relating to chaff cutting machines.

53605. Dr. C. Otto & Comp. G.m.b.H. Improvements in or relating to industrial furnaces and ovens.

53606. V. M. Kale. A wetting and/or detergent agent.

53607. Council of Scientific and Industrial Research. Improvements in or relating to the manufacture of chemicals for absorption of carbon dioxide.

53608. Council of Scientific and Industrial Research. Manufacture of ceramic semi-conducting bodies of titanium dioxide.

21st January 1955

53609. H. S. Sidhu. Improvements in or relating to infant feeding bottles or the like.

53610. H. S. Sidhu. Improvements in or relating to oil cans or the like liquid dispensers.

53611. B. Bysakh. An improvement in or relating to an electrically heated cooking oven or cooking heater or the like.

53612. M. Leitner, G. Leitner, J. Leitner and K. Schuler. An improved method of producing half stuff, which is capable of being bleached, from the wood of coniferous and deciduous trees.

53613. K. Steinhof. Improvements in hand knitting appliances.

53614. E. A. Guenther. Improvements in or relating to regulators for ceiling fans or like electrical appliances.

53615. E. A. Guenther. Improvements in or relating to oscillating fans.

53616. James Mackie & Sons Limited. Improvements in spinning and twisting machines.

53617. James Mackie & Sons Limited. Improvements in bobbins.

22nd January 1955

53618. Phillips Petroleum Company. Improvements in or relating to polymers and catalytic production thereof.

53619. Ruhrchemie Aktiengesellschaft. Waxes for the production of temperature stable wax pastes. [Addition to No. 51571].

53620. Ruhrchemie Aktiengesellschaft, and Lurgi Gesellschaft Für Wärmetechnik m.b.H. Process for the production of carbon monoxide hydrogenation catalysts.

53621. Kek Limited. Improvements in machines for grinding, pulverising and blending materials, (29th January 1954).

53622. W. H. Smith. Boilers. (25th January 1954).

24th January 1955

53623. L. K. Aishiram. Automatic electric cigarette lighter.

53624. Imperial Chemical Industries Limited. Water-proofing and crease-proofing cellulosic textiles, (8th February 1954).

53625. Imperial Chemical Industries Limited. Improvements in and relating to the production of film. (8th February 1954).

53626. Imperial Chemical Industries Limited. Improvements in or relating to a method and apparatus for the production of a mixture of two or more liquids. (12th March 1954).

53627. Rohm & Haas Company. Improvements in or relating to process of epoxidizing esters.

53628. Wahl Brothers. Separable fastener assembly.

53629. Wahl Brothers. Method and apparatus for making separable fasteners.

53630. P. H. Bharwani. Improvements in or relating to bags.

53631. P. H. Bharwani. Method of making collars for shirts, bush shirts and like garments.

53632. Ciba Limited. Process for obtaining reserpine.

53633. Ciba Limited. Process for introducing oxygen into steroids.

53634. Creed & Company Limited. Improvements in or relating to printing telegraph apparatus. (25th January 1954).

53635. Ciba Limited. New monoazo dyestuffs and complex metal compounds thereof and process for making them.

25th January 1955

53636. Council of Scientific and Industrial Research. Improvements in or relating to coating compositions.

53637. Council of Scientific and Industrial Research. Preparation of synthetic tanning materials from rosin.

53638. P. S. Pitamberdas. An invention relating to working of a centrifugal pump by water pressure.

53639. M. K. Chary, G. S. Chowdhury, S. A. Saletoore and S. H. Zaheer. Improvements in or relating to equipment for making hand made paper.

53640. D. Napier & Sons Limited. De-icing or anti-icing apparatus. (29th January 1954).

53641. The Glacier Metal Company Limited. Improvements in centrifugal cleaners. (5th February 1954).

53642. Bowaters Development and Research Limited. Improvements in or relating to suction apparatus. (4th February 1954).

53643. The Bradford Dyers' Association Limited and Albright & Wilson Limited. Process for treating organic film-forming substances to modify the properties of products to be produced therefrom, (23rd March 1954).

53644. Imperial Chemical Industries Limited. Improvements in or relating to a method for insolubilising artificial filaments, threads, fibres and the like obtained by the spinning of solutions of proteins. (23rd April 1954).

53645. Bristol Laboratories Inc. Antibacterial compositions.

53646. Felt and Tarrant Manufacturing Company. Improvements in or relating to transducer apparatus.

53647. Bentford Electric Limited. Improvements in or relating to heat pumps.

53648. F. Hoffmann-La Roche & Co. Aktiengesellschaft. Chondroitin polysulphuric acid esters and a process of preparing the same.

53649. D. Sebel & Company Limited. Folding chair.

53650. G. F. Ward. Improvements in or relating to the heating of liquids.

Alteration of Date

51944. Ante-dated to 20th July 1953, under Section 5.

52793. Ante-dated to 20th July 1953, under Section 5.

53072. Ante-dated to 25th May 1953, under Section 5.

Applications Accepted

Notice is hereby given that all persons interested in opposing the grant of patents on any one of the applications referred to below may at any time within four months of the date of this Gazette of India give notice to the patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, and also on cash payment at the counter of the Government of India, Central Book Depot, 8, Hastings Street, Calcutta, in the course. The price of each specification is Rs. 2 (postage extra, if sent out of India). Requisition for the supply of printed specifications should be accompanied by the numbers of the specifications as shown in the following list.

If required typed copies of the specification together with copies of drawings, if any, can be supplied by the Patent Office, on payment of the necessary charge which may be ascertained on application to the office.

The dates shown in crescent brackets are the dates allowed under Section 78-A of the Act.

49443. (Miss) Vidya Misra. Improved typewriters and typebodies. Accepted on 22nd January 1955.

Striking a full spaced key carriage moves half space before the impression and also after the impression and striking a half-space key the carriage moves half space.

49501. American Patents Corporation. Improvements in or relating to process for increasing swelling and softness of textiles containing artificial fibres of protein. Accepted on 20th January 1955.

Joining and twisting the artificial protein fibres with other fibres and passing the thus united fibres through one hot aqueous bath.

49633. Ciba Limited. Process for the manufacture of new esters. Accepted on 21st January 1955.

1: 4-Dihydro-4-oxo-1-phenyl-6-lower alkyl-pyridazine-3-carboxylic acids or functional derivatives thereof are converted into esters by known methods.

49954. Haniel & Lueg G.m.b.H. Discharge pumps of the air-water mixture type. Accepted on 21st January 1955.

The point at which air and water are separated from each other in the separator and the separator itself are arranged at the depth of the conveying pipe.

49967. F. Pischek and J. Horak. Ratchet device for threadings such as for bolts and screw-heads in general. Accepted on 21st January 1955.

Two plates juxtaposed, one has means for anchoring to base plate while the other plate is the key one possessing groove means.

49976. Goodyear Aircraft Corporation. Ejection seats, in particular head shields thereon, for airplane occupants. Accepted on 21st January 1955.

In combination with the ejection device a rigid protective enclosure substantially defining the position of the occupant's head.

50070. Imperial Chemical Industries Limited. Improvements in or relating to the production of explosives. (19th September 1952). Accepted on 25th January 1955.

Liquid is forced under pressure less than 20 times its original pressure through tubes of pressure resisting material.

50146. M. Rommel. Method for packing articles, such as razor blades. Accepted on 21st January 1955.

Placing the article between two strips of paper covered with an adhesive extending at all sides and stuck together.

50205. British Cleanese Limited. Improvements in textile materials. (22nd September 1952). Accepted on 24th January 1955.

Fugitive tinting composition comprises a direct cotton dye in association with a water soluble addition polymer of an N-vinyl lactam.

50251. Ciba Limited. Process for the manufacture of new poly-halogenpyridazines. Accepted on 24th January 1955.

A β -dicarbonyl compound which is unsaturated in the α : β -positions is reacted directly or in stages with hydrazine.

50481. National Motor Bearing Co., Inc. Improvement in seal for railroad journals. Accepted on 21st January 1955.

Including a flexible diaphragm having an axle receiving opening in the central portion and a diaphragm rim supporting portion expandable with means for holding it axially contracted in a parallel walled slot of the journal housing.

50482. National Motor Bearing Co., Inc. Guard bearing for protecting sealing surfaces of railroad car axles. Accepted on 21st January 1955.

Including a pair of J-shaped auxiliary bearing members, supported adjacent and spaced slightly from the lower half of the shaft.

50668. H. W. Burrington. Improvements in or relating to binding for loose leaves. Accepted on 25th January 1955.

The binding has two fly leaf shutters connected by a back constituted by a support carrying the claws and actuating mechanism.

50694. The British Thomson-Houston Company Limited. Improvements in and relating to mechanical rectifiers. (23rd December 1952). Accepted on 24th January 1955.

The contact member being actuated by a push rod comprising a metal rod connected to and insulated from a reciprocable driving member, axially aligned therewith.

50706. The British Rayon Research Association. Improvements in or relating to bobbin-stripping machines. (8th December 1952). Accepted on 24th January 1955.

Comprising a bobbin support, a restricted passage, a nozzle capable of directing a jet to blow the end of the yarn towards the passage and means for creating vacuum.

51504. The Wellcome Foundation Limited. A process for preparing the laevo-isomers of 1-cyclohexyl-1-phenyl-3-pyrrolidino-propan-1-01. (23rd March 1953). Accepted on 25th January 1955.

Optical resolution of receimic 1-cyclohexyl-1-phenyl-3-pyrrolidinopropan-1-01 and isolating laevo isomer by fractional crystallisation.

51505. The Wellcome Foundation Limited. A process for preparing the laevo-isomers of 1-cyclohexyl-1-phenyl-3-piperidino-propan-1-01. (10th August 1953). Accepted on 25th January 1955.

Optical resolution of receimic 1-cyclohexyl-1-phenyl-3-piperidinopropan-1-01 and isolating laevo isomer by fractional crystallisation,

51944. Ciba Limited. Process for the manufacture of new substituted piperidines. [Divisional date, July 20, 1953]. Accepted on 20th January 1955.

Treating with a hydrogenating agent a substituted 2-diphenylmethyl-pyridine or a pyridinium compound thereof.

52071. Dr. R. S. Dubey, S. S. Mavi, H. Singh and Dr. D. N. Daruvalla. An improved process for the purification of raw juice of sugarcane (or beet) or molasses. Accepted on 25th January 1955.

Raw sugar-cane juice treated with SO₂ and lime and further with CO and lime.

52793. Ciba Limited. Pharmaceutical preparations containing new substituted piperidines. [Divisional date, July 20, 1953]. Accepted on 20th January 1955.

Comprising 2-diphenylmethyl-piperidine compounds together with a suitable pharmaceutical carrier.

52897. S. Dodd & Sons Limited. Improvements relating to cotton gins. (20th October 1953). Accepted on 25th January 1955.

The leather roller is supported by swinging arms each of which being acted upon by a spring for applying pressure to the roller.

52898. S. Dodd & Sons Limited. Improvements relating to gins. (20th October 1953). Accepted on 25th January 1955.

Comprising an elongated member having stepped surfaces facing the rollers.

53072. Ciba Limited. Pharmaceutical preparations containing new esters. [Divisional date, May 25, 1953]. Accepted on 21st January 1955.

The preparations comprise esters of 1:4-dihydro-4-oxo-1-phenyl-6-lower alkyl-pyridazine-3-carboxylic acids unsubstituted in the 5-position, with a pharmaceutical carrier.

53214. Shikoku Kasei Kogyo Kabushiki Kaisha. Improvements in or relating to the production of carbon disulphide. Accepted on 22nd January 1955.

Introducing carbonaceous material into reaction chamber into which flows vapourized sulphur from sulphur vapourizing chamber.

Printed Specifications Published

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy:—

47172. 47754. 47755. 47815. 48209. 48254. 48640. 48642. 48844. 48941. 49652. 49718. 49731. 49776. 49782. 49798. 50215. 50221. 50380. 50547. 50632. 50799. 50834. 50835. 50837. 50838. 50925.

Patents Sealed

48499. 48659. 48803. 48934. 49070. 49084. 49092. 49094. 49104. 49125. 49160. 49168. 49246. 49247. 49396. 49491. 49531. 49751. 49762. 49814. 49872. 49913. 49995. 50058. 50289. 50319. 50507. 50598. 50842. 50843. 50955. 50995. 51040. 51109. 51317. 51388. 51416. 51451. 51470. 51498. 51701. 51708. 51726. 51859. 52014. 52106.

Renewal Fees paid

20037. 21582. 25081. 25343. 26175. 26233. 26298. 27291. 27878. 27944. 28491. 28753. 28790. 29396. 29580. 30246. 30533. 30559. 30560. 30716. 31105. 31989. 32043. 32224. 34153. 34155. 34156. 34169. 34216. 34309. 34477. 35157. 35246. 35247. 36448. 36449. 36525. 36581. 36592. 36675. 36686. 36726. 36737. 36794. 36801. 36803. 36843. 36847. 36868. 36873. 36878. 36968. 37263. 38722. 39005. 39075. 39094. 39095. 39147. 39149. 39151. 39155. 39163. 39215. 39231. 39241. 39316. 39345. 39413. 39504. 40388. 40808. 40851. 40924. 41001. 41002. 41050. 41068. 41097. 41569. 42260. 42278. 42379. 42427. 42429. 42628. 42673. 42696. 42794. 42916. 42922. 43101. 43267. 43473. 43778. 43935. 44040. 44088. 44329. 44454. 44485. 44486. 44541. 44542. 44568. 44594. 44614. 44639. 44660. 44664. 44665. 44688. 44753. 44786. 44799. 44807. 44842. 44906. 45074. 45080. 45808. 45981. 46588. 46753. 46754. 46758. 46780. 46823. 46923. 47367.

Cessation of Patents

31652. 33418. 33480. 33491. 35960. 40437. 40446. 42131. 42148. 42159. 42160. 43937. 43938. 43940. 43949. 43950. 43951. 43952. 43954. 43956. 43959. 45234. 45990. 46034. 46041.

Registration of Designs

The following designs have been registered. They are not open to inspection for a period of two years, from the date of registration except as provided for in Section 50 of the Indian Patents and Designs Act.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1 Nos. 80865 to 80888. The Singer Manufacturing Company, a Corporation organized under the laws of the State of New Jersey, United States of America, of Elizabeth, New Jersey, United States of America, "A sewing machine". December 8, 1954.

Class 1 No. 81080. Shree Viswakarma Industries of 192, Cross Street, Calcutta, State of West Bengal, an Indian Partnership Firm, "Bucket", December 28, 1954.

Class 1 No. 81132. Jeewanlal (1929) Limited, 31, Netaji Subhas Road, Calcutta-1, Indian, "Kettle". January 3, 1955.

Class 3 No. 81030. Vadakkeveettil Anthony Andrews, Indian subject, Proprietor, Tyreworks, Briand Square, Bangalore-2, Mysore State, "Pneumatic tyre", December 23, 1954.

Class 5 No. 80503. Eagle Playing Card Mfg. Co., Lal Kuan, Delhi, Indian Company, "Playing card". November 11, 1954.

Class 13 Nos. 81160 to 81162. The India United Mills, Ltd., Indu House, Dougall Road, Bellard Estate, Bombay 1, India, a Company incorporated in India, "Textile piece goods", January 4, 1955.

Class 13 Nos. 81163 to 81165. Calico Dyeing & Printing Works, Industrial Estates, 41E Parel Chawl Road, Lalbaug, Bombay 12, Indian business concern, "Textile goods including silks and art-silk piece-goods", January 5, 1955.

Class 13 Nos. 81166 and 81167. H. A. Shah & Co., Indian, of Vasant Vijay Mills, "Vasant Vijay", 470-71, Worli Road, Bombay 18, (India), "Textile goods", January 6, 1955.

Class 13 No. 81168. The Century Spg. & Mfg. Co. Ltd., Industry House, 159, Churchgate Reclamation, Bombay 1, Indian Company, "Textile goods". January 6, 1955.

Class 13 Nos. 81169, 81170 and 81172. The Century Spg. & Mfg. Co. Ltd., Industry House, 159, Churchgate Reclamation, Bombay 1, Indian Company, "Textile goods", January 6, 1955.

Class 13 No. 81174. Veshno Calico Dying and Printing Mills, Indian firm near Imperial Bank, Amritsar, "Textile piece goods", January 7, 1955.

Class 13 Nos. 81179 to 81181. Calico Dyeing and Printing Works, Industrial Estates, 41E Parel Chawl Road, Lalbaug, Bombay 12, Indian business concern, "Textile goods including silks and art-silk piece-goods", January 7, 1955.

Class 13 Nos. 81185 to 81187. The Silver Cotton Mills Co. Ltd., Post Box No. 27, Kankaria Road, Ahmedabad 2, an Indian Company registered under the Indian Companies Act, 1913, "Textile piece goods", January 8, 1955.

Class 13 No. 81193. The Bombay Union Dyeing Mills, Proprietors: M/s Megji Mathradas, 71, Government Gate Road, Parel, Bombay 12, Indian Business Concern, "Textile goods", January 11, 1955.

Class 13 Nos. 81206 to 81213. The Sarangpur Cotton Mfg. Co. Ltd., Outside Raipur Gate, Post Box No. 19, Ahmedabad, Indian Company, "Textile goods", January 13, 1955.

Class 14 No. 81171. The Century Spg. & Mfg. Co. Ltd., Industry House, 159, Churchgate Reclamation, Bombay 1, Indian Company, "Textile goods", January 6, 1955.

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